CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

ORDER NO. R5-200X-XXX

NPDES NO. CA0078841

MONITORING AND REPORTING PROGRAM
FOR
SIERRA PACIFIC INDUSTIRES
CAMINO LUMBER MILL
EL DORADO COUNTY

This Monitoring and Reporting Program is issued pursuant to California Water Code Sections 13383 and 13267. The Discharger shall not implement any changes to this Monitoring and Reporting Program unless and until the Regional Board or Executive Officer issues a revised Monitoring and Reporting Program. Specific sample station locations shall be established under direction of the Regional Board's staff, and a description of the stations shall be attached to this Order.

Section 13267 of the California Water Code states, in part, "*(a) A regional board, in establishing…waste discharge requirements…may investigate the quality of any waters of the state within its region"* and *"(b)(1) In conducting an investigation…, the regional board may require that nay person who… discharges… waste… that could affect the quality of waters within its region shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires."* Order No. R5-200X-XXX requires the Monitoring and Reporting Program to include groundwater monitoring, and is necessary to assure compliance. The Discharger operates the facility that discharges waste subject to Order No. R5-200X-XXX.

POND MONITORING

Samples shall be collected from Ponds 1 through 3 and the linear storage pond. The date and time of collection shall be recorded. Pond monitoring shall include at least the following:

Constituent	Unit	Type of Sample	Sampling Frequency
Freeboard	Feet, inches	Observation	Weekly
pH	units	Grab	Quarterly
Specific Conductance	µmhos/cm	Grab	Quarterly
Dissolved Oxygen	mg/l	Grab	Quarterly
Tannins & Lignins	mg/l	Grab	Quarterly
COD	mg/l	Grab	Quarterly

EFFLUENT MONITORING
(Outfall 001 and Outfall 002)

If discharge is occurring, effluent samples shall be collected from the discharge at Outfall 001 and 002. Effluent samples should be representative of the volume and nature of the discharge. Date and time of sample collection shall be recorded. Effluent monitoring shall include at least the following:

Constituent	Unit	Type of Sample	Sampling Frequency[1]
Flow	Gal/Min	Metered	Daily During Discharge
pH	pH units	Grab	Weekly[2]
Specific Conductance	µmhos/cm	Grab	Weekly[2]
Temperature	°F	Grab	Weekly[2]
Turbidity	NTU	Grab	Weekly[2]
Settleable Matter	ml/l	Grab	Weekly[2]
Total Suspended Solids	mg/l	Grab	Weekly[2]
Aluminum	mg/l	Grab	Weekly[2]
Chemical Oxygen Demand	mg/l	Grab	Monthly[2]
Tannins and Lignins	mg/l	Grab	Monthly[2]
Oil and Grease	mg/l	Grab	Monthly[3]
Acute Toxicity[4]	% Survival	Grab	Annually[3]
Priority Pollutants	µg/l	Grab	Annually[3,5]

[1] Samples shall be collected during the first hour from the first discharge after the dry season and according to sampling frequency thereafter.

[2] Samples shall be collected during continuous discharge. If the discharge is intermittent rather than continuous, then the first day of each intermittent discharge shall be monitored. The maximum monitoring frequency is weekly.

[3] Samples shall be collected during the first hour of the first discharge after the dry season.

[4] 96-hour Bioassay using Rainbow trout as the test species using EPA 821-R-02-012 or later amendment.

[5] In addition to the testing requirements required by the Policy for Implementation of Toxics Standards for Inland Surface Waters Enclosed Bays and Estuaries (ref. 10 Sept. 2000 ltr.), the Discharger shall perform one full set of priority pollutant sampling annually during the term of this permit.

THREE SPECIES CHRONIC TOXICITY MONITORING

Chronic toxicity monitoring shall be conducted annually to determine whether the effluent (Outfall A) is contributing toxicity to North Canyon Creek. The testing shall be conducted as specified in EPA 821-R-02-013, or latest edition. Chronic toxicity samples shall be collected at Outfall A. Grab samples shall be representative of the volume and quality of the discharge. Date and time of sample collection shall be recorded. Chronic toxicity monitoring shall include the following:

Species: Pimephales promelas, Ceriodaphnia dubia, and Selenastrum capricornutum

Frequency: Annually, during the first hour from the first discharge after the dry season. If no toxicity is exhibited for the first two years of testing the frequency may be reduced upon approval by the Executive Officer.

Dilution Series: None

RECEIVING WATER MONITORING

All receiving water samples shall be grab samples. Receiving water samples shall be collected during periods of discharge to surface waters and shall include at least the following:

Station	Description
R-1	North Canyon Creek, downstream from where it crosses Larson Road, between the waterfall and water wheel of Larson Park.
R-2	North Canyon Creek, about 100 feet downstream from the confluence with the unnamed tributary.

Constituents	Units	Station	Sampling Frequency
Flow	gal/min.	R-1	Weekly during discharge
pH	units	002, R-1, R-2	Weekly during discharge
Turbidity	NTU	002, R-1, R-2	Weekly during discharge
Hardness	mg/1	002, R-1, R-2	Monthly during discharge

In conducting the receiving water sampling, a log shall be kept of the receiving water conditions throughout the reach bounded by Stations 002, R-1 and R-2. Attention shall be given to the presence or absence of:

a. Floating or suspended matter
e. Visible films, sheens, or coatings

b. Discoloration
c. Bottom deposits
d. Aquatic life
g. Potential nuisance conditions
h. Fungi, slimes, or objectionable growths

WATER SUPPLY MONITORING

A sampling station shall be established where a representative sample of the municipal water supply can be obtained. Water supply monitoring shall include at least the following:

Constituents	*Units*	Sampling Frequency
Electrical Conductivity @ 25°C	µmhos/cm	Annually
Total Dissolved Solids	mg/*l*	Annually

If the water supply is from more than one source, the monitoring report shall report the electrical conductivity and total dissolved solids results as a weighted average and include copies of supporting calculations.

GROUNDWATER MONITORING

Groundwater grab samples shall be collected from groundwater monitoring wells. Prior to sampling, the wells should be pumped until the temperature, specific conductivity, and pH have stabilized to ensure representative samples. Groundwater monitoring shall include at least the following:

Constituents	Units	Sampling Frequency
Depth to Groundwater[1]	feet	Quarterly
Groundwater Elevation[1]	feet	Quarterly
pH	--	Quarterly
Electrical Conductivity at 25ºC	µmhos/cm	Quarterly
Tannins and Lignins	mg/*l*	Annually
Priority Pollutants[2]	µg/*l*	[3]

[1] The groundwater elevation shall be used to calculate the direction and gradient of groundwater flow. Elevations shall be measured to the nearest one-hundredth of a foot from mean sea level. The groundwater elevation shall be measured prior to purging the wells.

[2] All peaks are to be reported, along with any explanation provided by the laboratory.

[3] Priority Pollutants must be monitored at least once during the life of the permit. Priority Pollutants are U.S. EPA priority toxic pollutants and consist of the constituents listed in the most recent National Toxics Rule and California Toxics Rule.

Groundwater monitoring results for the constituents above shall be submitted quarterly; the quarterly report shall include a site map showing the location and surveyed elevation (to nearest one-hundredth of foot above mean sea level) of the wells and the current direction of groundwater flow.

A groundwater report shall be submitted annually; the report shall contain a brief written description of any groundwater investigation and sampling work completed for the year, a site map showing the location of all monitoring wells, and tables showing all groundwater monitoring data collected during the previous calendar year, including groundwater depth and elevation data, pH, EC, and all other monitored constituents. The 4th quarter quarterly report may be combined with the annual report.

SOLIDS MONITORING

The Discharger shall submit an annual report by **30 January of each year,** describing the quantities of solids generated by the disposal of wastewater, plus the handling and disposal activities for these materials. A log shall be kept of the quantities generated and disposal activities. The frequency of entries is discretionary; however, the log should be complete enough to serve as a basis for the annual report.

REPORTING

Monitoring results shall be submitted to the Regional Board by the **1st day of the second month** following sample collection,(i.e., the January Report is due by 1 March). Quarterly and annual monitoring results shall be submitted by the **1st day of the second month** following each calendar quarter and year, respectively.

In reporting the monitoring data, the Discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly whether the discharge complies with waste discharge requirements. The highest daily maximum for the month, monthly and weekly averages, and medians, should be determined and recorded.

If the Discharger monitors any pollutant at the locations designated herein more frequently than is required by this Order, the results of such monitoring shall be included in the calculation and reporting of the values required in the discharge monitoring report form. Such increased frequency shall be indicated on the discharge monitoring report form.

By **30 January of each year**, the Discharger shall submit a statement listing the analytical procedures performed on-site. The statement shall certify that these procedures are being performed in accordance with an approved quality assurance/quality control program. The last date when the QA/QC program was revised and reviewed must be included (Standard Provision C.2).

All reports submitted in response to this Order shall comply with signatory requirements of Standard Provision D.6.

Ordered by: _____
THOMAS R. PINKOS, Executive Officer

_____
(Date)